

AMENDMENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A jaw assembly for use in a vise, comprising:

a block having a plurality of apertures, the block further having a plurality of channels passing through a ~~portion~~ rear surface of the block, each of the channels having an first segment in fluid connection with an inlet hole and having a

second segment in fluid communication with at least one of the apertures; and,

a plurality of pins, wherein each pin is located within an aperture and wherein each pin is deployable to a use position and retractable to a non-use position.
2. (Original) The jaw assembly of claim 1 wherein the channels extend in a generally longitudinal direction of the block.
3. (Original) The jaw assembly of claim 1 having at least one fluid passageway, the passageway extending from the inlet hole to at least one aperture.
4. (Canceled)
5. (Currently Amended) The jaw assembly of claim ~~4~~1 including a plate secured to the rear surface of the block, ~~the plate adapted~~ to enclose the channels.
6. (Original) The jaw assembly of claim 5 including a means for securing the plate to the block.
7. (Original) The jaw assembly of claim 6 including a means for fixedly attaching the block and plate to the vise.

8. (Original) The jaw assembly of claim 3 wherein the apertures have a first and second aperture portion, the first aperture portion having a diameter less than a diameter of the second aperture portion such that a ledge is formed between the first and second aperture portions, each pin having a stop, the engagement of the ledge and the stop preventing further deployment of the pin.
9. (Original) The jaw assembly of claim 3 wherein the apertures have a first and second hole portion, the first hole portion having a diameter less than a diameter of the second hole portion forming a ledge between the first and second hole portions, each pin having a first and second pin portion, the first pin portion having a diameter less than a diameter of the second pin portion, the engagement of the ledge and the second pin portion preventing movement of the second pin portion into the first hole portion.
10. (Previously Presented) A jaw assembly for use in supporting and securing an object in a vise, comprising:
 - a block having a plurality of apertures, the block further having a plurality of channels in a rear surface of the block, each of the channels having a first segment in fluid connection with an inlet hole and having a second segment in fluid communication with at least one of the apertures;
 - a plate secured to the rear surface of the block, the plate adapted to enclose the channels; and,
 - a plurality of pins, wherein each pin is located within an aperture and is in slidable engagement with the particular aperture.

11. (Original) The jaw assembly of claim 10 having at least one fluid passageway, the passageway extending from the inlet hole to at least one aperture.
12. (Previously Presented) The jaw assembly of claim 10 wherein pins within apertures of a common channel are concurrently deployable to a use position and independently retractable to a non-use position.
13. (Original) The jaw assembly of claim 12 wherein the pins, when deployed to the use position, form a support structure that supports the object at an angle relative to a horizontal axis of the block.
14. (Original) The jaw assembly of claim 13 wherein the angle ranges between 0 to 90 degrees.
15. (Original) The jaw assembly of claim 13 wherein the angle is 15 degrees.
16. (Original) The jaw assembly of claim 13 wherein the angle is 30 degrees.
17. (Original) The jaw assembly of claim 13 wherein the angle is 45 degrees.
18. (Original) The jaw assembly of claim 12 including a means for securing the plate to the block.
19. (Original) The jaw assembly of claim 18 including a means for fixedly attaching the plate and the block to the vise.
20. (Original) The jaw assembly of claim 12 wherein the apertures have a first and second aperture portion, the first aperture portion having a diameter less than a diameter of the second aperture portion such that a ledge is formed between the first and second aperture portions, each pin having a stop, the engagement of the ledge and the stop preventing further deployment of the pin.

21. (Original) The jaw assembly of claim 12 wherein the apertures have a first and second hole portion, the first hole portion having a diameter less than a diameter of the second hole portion forming a ledge between the first and second hole portions, each pin having a first and second pin portion, the first pin portion having a diameter less than a diameter of the second pin portion, the engagement of the ledge and the second pin portion preventing movement of the second pin portion into the first hole portion.
22. (Previously Presented) A jaw assembly for use in supporting and securing an object in a vise, comprising:
- a block having a plurality of apertures, wherein each aperture is spaced a distance from a lower edge of the block, the block further having a first and second channel passing through a portion of the block, each of the channels having a first segment and second segment, the first segments in fluid connection with a first inlet hole and the second segments in fluid communication with at least one of the apertures, the block further having a third and fourth channel passing through a portion of the block, each of the channels having a first segment and second segment, the first segments in fluid connection with a second inlet hole and the second segments in fluid communication with at least one of the apertures;
 - a plurality of pins, wherein each pin is located within an aperture and each pin is deployable to a use position and retractable to a non-use position.
23. (Original) The jaw assembly of claim 22 having at least one fluid passageway, the passageway extending from the inlet hole to at least one aperture.

24. (Original) The jaw assembly of claim 22 wherein the channels are in a rear surface of the block.
25. (Original) The jaw assembly of claim 24 including a plate secured to the rear surface of the block, the plate adapted to enclose the channels.
26. (Original) The jaw assembly of claim 25 including a means for securing the plate to the block.
27. (Original) The jaw assembly of claim 26 including a means for fixedly attaching the block and plate to the vise.
28. (Original) The jaw assembly of claim 23 wherein the apertures have a first and second aperture portion, the first aperture portion having a diameter less than a diameter of the second aperture portion such that a ledge is formed between the first and second aperture portions, each pin having a stop, the engagement of the ledge and the stop preventing further deployment of the pin.
29. (Original) The jaw assembly of claim 23 wherein the apertures have a first and second hole portion, the first hole portion having a diameter less than a diameter of the second hole portion forming a ledge between the first and second hole portions, each pin having a first and second pin portion, the first pin portion having a diameter less than a diameter of the second pin portion, the engagement of the ledge and the second pin portion preventing movement of the second pin portion into the first hole portion.
30. (Previously Presented) The jaw assembly of claim 23 wherein the pins within apertures of a common channel are concurrently deployable to a use position and independently retractable to a non-use position.

31. (Original) The jaw assembly of claim 23 wherein the pins, when deployed to the use position, form a support structure that supports the object in an elevated position above the lower edge of the block.

32. (Previously Presented) A jaw assembly for use in supporting and securing an object in a vise, comprising:

a block having a plurality of apertures, wherein each aperture is spaced a distance from a lower edge of the block, the block further having a first and second channel passing through a rear surface of the block, each of the channels having a first segment and second segment, the first segments in fluid connection with a first inlet hole and the second segments in fluid communication with at least one of the apertures, the block further having a third and fourth channel passing through the rear surface of the block, each of the channels having a first segment and second segment, the first segments in fluid connection with a second inlet hole and the second segments in fluid communication with at least one of the apertures;

a plate secured to the rear surface of the block, the plate adapted to enclose the channels; and,

a plurality of pins, wherein each pin is located within an aperture and each pin is deployable to a use position and retractable to a non-use position.

33. (Original) The jaw assembly of claim 32 having at least one fluid passageway, the passageway extending from the inlet hole to at least one aperture.

34. (Original) The jaw assembly of claim 33 including a means for securing the plate to the block.

35. (Original) The jaw assembly of claim 34 including a means for fixedly attaching the block and plate to the vise.
36. (Original) The jaw assembly of claim 33 wherein the apertures have a first and second aperture portion, the first aperture portion having a diameter less than a diameter of the second aperture portion such that a ledge is formed between the first and second aperture portions, each pin having a stop, the engagement of the ledge and the stop preventing further deployment of the pin.
37. (Original) The jaw assembly of claim 33 wherein the apertures have a first and second hole portion, the first hole portion having a diameter less than a diameter of the second hole portion forming a ledge between the first and second hole portions, each pin having a first and second pin portion, the first pin portion having a diameter less than a diameter of the second pin portion, the engagement of the ledge and the second pin portion preventing movement of the second pin portion into the first hole portion.
38. (Original) The jaw assembly of claim 33 wherein the pins, when deployed to the use position, form a support structure that supports the object in an elevated position above a deck surface of the vise and at an angle relative to a horizontal axis of the block.
39. (Original) The jaw assembly of claim 38 wherein the angle ranges between 0 and 90 degrees.
40. (Original) The jaw assembly of claim 33 wherein the pins, when deployed to the use position, form a support structure that supports the object in an elevated position above the lower edge of the block and at an angle relative to a horizontal axis of the block.
41. (Original) The jaw assembly of claim 40 wherein the angle ranges between 0 and 90 degrees.
42. (Canceled)

43. (Currently Amended) ~~The adjustable jaw of claim 42~~ A jaw assembly for use in a vise, the jaw assembly permitting an object to be worked upon to be secured and supported at an elevated position, the assembly comprising:

a block having a first set, a second set, and a third set of apertures spaced a distance from the deck surface, the block further having a first, a second, and a third longitudinal channel passing through a portion of the block, each of the channels having a first segment in fluid connection with an inlet hole and a second segment in fluid communication with at least one of the apertures;

a plurality of pins, wherein each pin is located within an aperture and wherein each pin is deployable to a use position and retractable to a non-use position; and

wherein the first set of apertures intersect the first channel to define a first fluid passageway, the second set of apertures intersect the second channel to define a second fluid passageway, and the third set of apertures intersect the third channel to define a third fluid passageway.

44. (Currently Amended) The jaw assembly of claim ~~42~~ 43 wherein the pins, when deployed to the use position, form a support structure that supports the object in elevated position.

45. (Original) The jaw assembly of claim 43 wherein the channels are in a rear surface of the block.

46. (Original) The jaw assembly of claim 45 including a plate secured to the rear surface of the block, the plate adapted to enclose the channels.

47. (Previously Presented) The jaw assembly of claim 46 including a means for securing the plate to the block.
48. (Currently Amended) The jaw assembly of claim ~~43~~ 46 including a means for fixedly attaching the block and plate to the vise.
49. (Original) The jaw assembly of claim 44 wherein each aperture of the first set, second set, and third set of apertures has a first and second aperture portion, the first aperture portion having a diameter less than a diameter of the second aperture portion such that a ledge is formed between the first and second aperture portions, each pin having a stop, the engagement of the ledge and the stop preventing further deployment of the pin.
50. (Original) The jaw assembly of claim 44 wherein each aperture of the first set, second set, and third set of apertures has a first and second hole portion, the first hole portion having a diameter less than a diameter of the second hole portion forming a ledge between the first and second hole portions, each pin having a first and second pin portion, the first pin portion having a diameter less than a diameter of the second pin portion, the engagement of the ledge and the second pin portion preventing movement of the second pin portion into the first hole portion.
51. (Canceled)
52. (Canceled)
53. (Canceled)
54. (Previously Presented) A jaw assembly for use in a vise, comprising:

a block having a plurality of apertures, the block further having a first inlet hole in fluid connection with at least one channel passing through a rear surface of the block, the

channel having a portion in fluid communication with at least one of the apertures, the block further having a second inlet hole in fluid connection with at least one channel passing through a rear surface of the block, the channel having a portion in fluid communication with at least one of the apertures;

a plate secured to the rear surface of the block, the plate adapted to enclose the channels; and,

a plurality of pins, wherein each pin is located within an aperture and wherein each pin is deployable to a use position and retractable to a non-use position.